

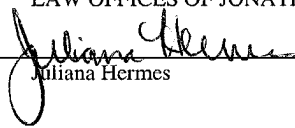
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LAW OFFICES OF JONATHAN ALAN QUINE

By

  
Juliana Hermes

Attorney Docket No. 02-020622US

Client Ref. No. 0104.005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jeremy Minshull et al.

Application No.: 09/490,643

Filed: January 24, 2000

For: **METHODS AND COMPOSITIONS FOR  
CELLULAR AND METABOLIC  
ENGINEERING**

Examiner: E. Whisenant

Art Unit: 1655

AMENDMENT AND RESPONSE TO  
OFFICE ACTION PURSUANT TO 37  
C.F.R. § 1.112

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action mailed August 1, 2000, please reconsider the application in light of the amendments and remarks below.

The following documents are concurrently submitted:

- 1) A courtesy copy of the claims as amended;
- 2) A transmittal/ fee sheet;
- 3) A request to use the sequence listing from parent application 08/650,400; and,
- 4) A receipt acknowledgement postcard.

**AMENDMENTS**

Please cancel claims 1-30, without prejudice to subsequent renewal. Please enter new claims 31-152.

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03 FC:104

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